
Product Data Sheet

Product Name: NDUFAF2 Human
 Cat. No.: GP21984
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Mimitin mitochondrial; B17.2-like; B17.2L; Myc-induced mitochondrial protein; MMTN; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2; NDUFA12-like protein; NDUFAF2; NDUFA12L; mimitin.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGWSQDLFRA LWRSL SREVK EHVGT DQFGN KYYIPQYKN WRGQTIREKR IVEAANKKEV DYEAGDIPT EWEAWIRRTRK TPPTMEEILK NEKHREEIKI KSQDFYEKEK LLSKETSEEL LPPP VQTQIK GHASAPYFGK EEPVAPSST GKTFQPGSWM PRDGKSHNQ.		
Formulation	NDUFAF2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 20% glycerol and 200mM NaCl.		

Introduction

Mimitin (NDUFAF2) is a member of the complex I NDUFA12 subunit family. NADH dehydrogenase is an enzyme located in the inner mitochondrial membrane, which catalyzes the transfer of electrons from NADH to coenzyme Q (CoQ). NDUFAF2 is the "entry enzyme" of oxidative phosphorylation in the mitochondria. Mimitin protein functions as a molecular chaperone for mitochondrial complex I assembly.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NDUFAF2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 189 amino acids (1-169 a.a.) and having a molecular mass

Caution: Product has not been fully validated for medical applications. For research use only.

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of 22kDa. NDUFAF2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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